

More Warm Weather

Six days were suitable for fieldwork during the week ending July 17, according to the USDA, NASS, Michigan Field Office. Precipitation amounts ranged from none in the eastern Upper Peninsula to 1.36 inches in the southeastern Lower Peninsula. Average temperatures ranged from 5 degrees above normal in the south central Lower Peninsula to 9 degrees above normal in the eastern and western Upper Peninsula. Rainfall remained highly variable and scattered localized rain fell through the week. Temperatures remained high across the State. One farmer in the southeast stated, “Some locations got several inches of rain during the week and there has been some flooding and ponding.” Another farmer in the northwest commented, “Hot, dry weather continues to be hard on crops and people.”

Field Crops

Hot, humid conditions prevailed across the State. Precipitation was limited as rain showers were hit or miss. Areas closer to the Lake Michigan shoreline remained dry. **Corn** growth varied according to the rainfall received. Fields in the southeast were beginning to tassel, while fields in the west central were approaching the tassel stage. Reports of European corn borer continued. **Soybean** fields also varied. In southern portions of the State, fields were setting pods. Fields were flowering in the central district. **Sugarbeet** fields looked good. There were reports of cercospora leaf spot and bacterial leaf spot. The second cutting of **alfalfa** advanced in the hot weather. Although conditions have been favorable for cutting, the hot, dry weather limited regrowth. Potato leaf hoppers were reported in the west central. **Winter wheat** harvest was in full swing in most areas. Grain moisture was low in many fields at harvest time. Reports of disease remained low. **Oats** turned yellow and looked good. **Barley** began to turn yellow. **Dry bean** growth was rapid under irrigation. Early planted fields were filling rows.

Fruit

In the southwest, **apple** fruit were about 2 inches in diameter. Apple maggot adults were being trapped in the southwest. In the southeast, apples continued to size well with most being about 1.75 to 2 inches. There were significantly high trap catches of apple maggots noted there. In the Ridge area, powdery mildew was seen in apples. Apples were sizing well in the west central, where minor scab lesions were noted on fruit. In the northwest, apples were in good condition with very little disease pressure observed. **Sweet cherry** harvest was ending in the southwest. The late season variety Sweetheart was being picked. In the southeast, sweet cherry harvest wrapped up and **tart cherry** harvest was completed. In the west central, tart cherry harvest continued. Tart cherry harvest was just underway in the northwest, where cherry fruit had not sized well due to dry weather. **Blueberry** harvest was in full swing in the southwest, where size and quality were excellent in irrigated fields. In the southeast, blueberry harvest was underway for early varieties. Early **peach** harvest began in the southwest. In the southeast, peaches continued to size nicely with most being in the range of 1.75 to 2 inches in diameter. In the west central, peaches were looking good.

Vegetables

Vegetable growers reported that rainfall continued to be substantially below normal. **Cabbage** for fall harvest continued to be planted but had to be irrigated to get the plants established. **Carrots** continued to look good with very little disease concerns this year. **Onions** continued to do well and in some areas early seeded onions were beginning to bulb. **Potatoes** were sizing well in irrigated fields in the southeast and harvest was underway in the southwest. **Pumpkin** plants continued to flower. Early **snap bean** plantings were in bloom. **Sweet corn** harvest continued. **Squash, zucchini, and cucumber** harvest continued with few insect problems. **Tomatoes** continued to size and develop fruit.

Soil moisture for week ending 07/17/05

Stratum	Very short	Short	Adequate	Surplus
	Percent	Percent	Percent	Percent
Topsoil	28	40	30	2
Subsoil	27	27	31	1

Crop condition for week ending 07/17/05

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	Percent	Percent	Percent	Percent
All Hay	11	19	30	32	8
Barley	5	22	44	19	10
Corn	3	16	26	46	9
Dry beans	1	6	30	51	12
Oats	3	8	30	46	13
Pasture	18	29	33	19	1
Soybeans	3	16	30	45	6
Winter Wheat	2	8	34	48	8

Crop progress for week ending 07/17/05

Crop	This week	Last week	Last year	5-year average
	Inches	Inches	Inches	Inches
Corn, height	55	43	42	44
	Percent	Percent	Percent	Percent
All hay, second cutting	63	32	25	36
Blueberries, harvested	20	12	13	NA
Corn, silked	30	NA	17	8
Dry beans, blooming	37	NA	NA	NA
Oats, turning yellow	76	49	27	45
Oats, harvested	1	NA	NA	NA
Peaches, harvested	2	NA	NA	NA
Soybeans, blooming	68	35	28	32
Soybeans, setting pods	13	NA	4	4
Tart cherries, harvested	64	35	49	NA
Winter wheat, harvested	36	3	22	30

Michigan Weather Summary for Week Ending 07/17/05 <sup>1</sup>												
Station	Temperature			Cumulative growing degree days <sup>2</sup>			Precipitation					
	Maximum	Minimum	Departure from normal	2005	2004	Normal	This week	Last two weeks	Last four weeks	Since April 1	Normal	
											Since April 1	For month
Ironwood	91	55		1,226	837		0.26	0.41	0.48	6.99		
Marquette	95	48		1,124	732		0.00	0.15	1.11	8.44		
Stephenson	98	52		1,217	963		0.00	0.43	0.65	6.01		
<b>Western UP</b>	98	48	9	1,159	809	944	0.17	0.32	1.03	7.14	11.06	3.42
Cornell	96	52		1,116	823		0.00	0.00	0.29	4.83		
Sault St Marie	94	62		1,103	612		0.00	0.08	0.50	4.33		
<b>Eastern UP</b>	96	44	9	1,073	679	777	0.00	0.35	0.94	5.41	10.20	3.19
Beulah	90	60		1,358	991		0.00	0.12	1.91	5.31		
Lake City	89	58		1,287	1,008		0.61	1.56	2.88	7.31		
Old Mission	91	59		1,284	928		0.02	0.58	0.62	4.17		
Pellston	95	53		1,278	911		0.58	0.83	1.14	4.85		
<b>Northwest</b>	95	53	8	1,277	919	1,083	0.31	0.72	1.41	5.15	9.94	2.99
Alpena	94	58		1,197	937		0.01	0.32	1.03	5.57		
Houghton Lake	88	59		1,304	1,067		0.75	1.21	2.76	6.31		
Rogers City	91	58		1,243	907		0.24	0.73	1.42	6.07		
<b>Northeast</b>	94	52	8	1,274	978	1,041	0.28	0.92	1.65	6.30	9.73	3.18
Fremont	95	58		1,465	1,217		0.40	0.69	1.46	4.10		
Hart	89	61		1,405	1,111		0.48	1.67	2.30	5.39		
Muskegon	93	60		1,474	1,220		0.13	0.32	1.42	4.11		
<b>West Central</b>	95	56	8	1,427	1,156	1,199	0.32	1.11	2.04	4.71	10.01	2.54
Alma	91	61		1,476	1,316		0.16	0.40	0.83	4.97		
Big Rapids	91	59		1,434	1,230		0.00	0.53	1.28	4.47		
<b>Central</b>	91	57	6	1,443	1,268	1,260	0.17	0.57	1.17	5.20	10.78	2.97
Bad Axe	90	64		1,379	1,153		0.43	1.01	1.02	8.37		
Pigeon	88	60		1,305	1,143		0.26	0.72	0.87	7.16		
Saginaw	90	63		1,400	1,299		0.01	1.13	1.36	8.02		
Standish	91	64		1,359	1,141		0.50	1.09	1.43	7.70		
<b>East Central</b>	91	59	6	1,338	1,194	1,243	0.30	0.85	1.24	7.98	9.82	2.92
Fennville	93	57		1,483	1,254		0.00	0.16	0.78	3.10		
Grand Rapids	91	61		1,549	1,501		1.19	1.26	1.99	11.40		
Holland	93	58		1,541	1,329		0.90	0.97	1.48	2.91		
South Bend, IN	91	61		1,661	1,607		1.38	1.93	2.31	5.91		
Watervliet	91	59		1,577	1,414		0.91	1.17	1.76	5.77		
<b>Southwest</b>	95	52	6	1,557	1,416	1,356	0.89	1.02	1.66	5.42	11.56	3.09
Belding	92	58		1,439	1,340		0.21	0.29	0.86	9.67		
Coldwater	90	58		1,463	1,394		0.93	1.48	2.16	6.85		
Lansing	89	64		1,539	1,412		0.15	2.02	3.07	10.29		
<b>South Central</b>	92	53	5	1,503	1,431	1,349	0.71	1.30	1.94	7.82	11.36	3.22
Detroit	91	67		1,617	1,548		1.22	2.53	3.64	8.10		
Flint	91	59		1,470	1,460		1.01	2.24	2.31	6.91		
Romeo	90	61		1,453	1,402		1.33	1.90	3.21	8.91		
Tipton	90	60		1,526	1,399		0.93	1.97	2.76	7.65		
Toledo, OH	91	58		1,620	1,639		1.33	1.34	1.63	6.13		
<b>Southeast</b>	93	56	6	1,513	1,477	1,320	1.36	2.05	3.09	8.59	11.11	3.11

<sup>1</sup> Issued by the Federal/State Michigan Agricultural Statistics Service in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

<sup>2</sup> Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.